

P E N A R T H U R B A N D I S T R I C T C O U N C I L .

CHAIRMAN COUNCILLOR G. Hallett.

VICE-CHAIRMAN COUNCILLOR A. C. J. White.

MEMBERS.

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"	G. A. Moon.	"	W. R. Jeffcott.
"	G. H. Barrett.	"	A. Brockington.
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"	F. R. Cratchley.	"	W. A. Pritchard.

CLERK TO THE COUNCIL.

Thomas John, Esq.

PUBLIC HEALTH COMMITTEE

CHAIRMAN Councillor W. R. Jeffcott.

MEMBERS.

All the Members of the Urban District Council.


MATERNITY AND CHILD WELFARE COMMITTEE.

All Members of the Council
with Co-opted Members.

Mrs. John Gibbs.	Mrs. J. Thomas.
Mrs. W. S. Angove.	Miss L. M. S. Reavley.
Mrs. Maillard.	Mrs. L. Gibbs.

INSTITUTE.

"CATHERINE JENKINS" - Beecroft, PENARTH.



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GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

PUBLIC HEALTH OFFICERS.

Medical Officer of Health.

Medical Officer to Isolation Hospital, and Medical Officer
for Maternity & Child Welfare.

CHARLES A. JONES, M.R.C.S. (Eng.), L.R.C.P. (Lond.),
(Part-time Officer).

Chief Sanitary Inspector.

A. H. MOUNTAIN, A.R.San.I., S.R.I.B.A.
Cert. Meat Insp. Royal San. Inst.

Additional Sanitary Inspector.

D. E. SHEPPARD, B.A., (Wales), A.R.San.I., Cert.S.I.B.

J.G.C. SHORT, Cert. S.I.B., M.S.I.A.
Cert. Meat Insp. Royal San. Inst.
(For Portion of Year).

Health Visitors.

Mrs. G.M. COWEN, S.R.N., S.C.M.

Miss G.M. LUNN, S.R.N., S.C.M.

Isolation Hospital, Llandough.

Matron.

Mrs. H. GWYNN.

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PENARTH URBAN DISTRICT COUNCIL.

To the CHAIRMAN & MEMBERS of the
PENARTH URBAN DISTRICT COUNCIL.

Gentlemen,

I have the honour of submitting my annual report for the year 1941 on the Public Health of Penarth.

The Vital Statistics show a slight increase in the Birth Rate over the average for the last 10 years while it is pleasing to observe that the Infantile Mortality Rate has diminished as compared with the average during the same period. It should be pointed out that the Infantile Mortality Rate is probably the best criterion of the general sanitary condition of the area. The Death Rate at all ages shows however, a slight increase.

Table VII in the body of the report indicating various notifiable diseases (other than Tuberculosis) during 1941 does not reflect the true incidence of these diseases as most of them were notified from the Llandough Hospital, a rate aided hospital, which admits patients from other districts. Actually, Penarth has been particularly free of notifiable diseases in the year under review, especially diphtheria. The diminution of diphtheria is probably accounted for by the fact that a larger number of children have been immunised than ever before. The following figures indicate the extent of the work done.

School Population = 2118: Children immunised at School = 1549
Estimated Population of children under 5 years = 1000
Children immunised between 1 - 5 years = 193.

In analysing these figures it should be realised that immunisation is not carried out before a child is one year of age as most children have a natural immunity to the disease during the first year of their lives. The material used for carrying out this Prophylactic Treatment is Alum Precipitated Toxoid (A.P.T.) which is injected on two occasions at an interval of four weeks. The reactions which have occurred have been singularly slight and could be regarded as negligible. The material is provided by the Ministry of Health free of charge.

In conclusion, I desire to thank the members of the Council for their continued confidence and support and my colleagues for their loyal co-operation. In particular I should like to express my appreciation to Mrs. Cowen, Health Visitor, for her assistance in the Diphtheria Immunisation Campaign.

I am, Gentlemen,
Your obedient servant,

Chas A. Jones

MEDICAL OFFICER OF HEALTH.

PHYSICAL FEATURES.

The Urban District of Penarth comprises of the parishes of Penarth, Cogan and Llandough, the latter parish having rural Characteristics.

The geological structure of the District is made up as follows:-

Red and Grey Marls.....	1,024	acres.
Lower Lias.....	807	"
Estuarine Mud.....	250	"
Rhaetic.....	122	"
Foreshore.....	305	"

The elevation above sea level is 200 feet in the northern portion of the area, with a gentle slope to 40 feet at its southern boundary.

The eastern and portion of the northern boundaries are washed by the waters of the Bristol Channel, which pursues its course towards the southern boundary, therefore any winds between a north-easterly and south-easterly point come across the channel.

The district is exceptionally well wooded, its streets being for the most part avenues of trees, which in the summer afford a welcome shade.

It is well provided with modern public swimming baths, recreation grounds, parks, and open spaces, and possesses to the fullest extent all the conveniences and comforts so desirable in both a residential locality and a summer seaside resort, combining all the advantages of a modern well equipped town with the charm of country life and the healthy breezes of the seaside.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (in acres), including 305 acres of foreshore.....	2,508
Population (Census 1931).....	17,710
Number of inhabited houses (1941) according to rate books.....	4,186
Rateable Value.(1941).....	£124,679
Sum represented by 1d Rate.....	£ 495

VITAL STATISTICS.

		TOTAL.	M.	F.	
Live Births.	(Legitimate.	221	117	104	Birth Rate per 1000 of estimated resident Population.....14.6
	(Illegitimate.	8	4	4	
Still Births.	(Legitimate.	13	7	6	Rate per 1000 total.....53.7
	(Illegitimate.	-	-	-	
Deaths		240	127	113	Death Rate per 1000 of the estimated resident population.....15.3
Deaths from Puerperal Sepsis		TOTAL. 0			Rate per 1000 Total
Deaths from other Puerperal Causes		0			(Live & Still) Births 0.

----- Death Rate of Infants under one year of age:-

All Infants per 1000 live births	43
Legitimate Infants per 1000 live births	43
Illegitimate Infants per 1000 live births	0
Number of Deaths from Measles (all ages)	2
Number of Deaths from Whooping Cough (all ages)	0
Number of Deaths from Diarrhoea (under 2 years of age)	0

Table 1 shows the Birth and Death Rates for the past 10 years in England & Wales, Glamorgan & Penarth.

TABLE 1.

BIRTHS.					DEATHS.			
Year	NO:	Birth Rate per 1000 Population.			Under 1 Year.		At all ages.	
		Penarth.	England & Wales.	Glamorgan	NO:	Infantile Mortality Rate per 1000 Births Registered	NO:	Rate per 1000 Pop.
1931	211	12.0	15.8	16.8	15	71	190	10.8
1932	243	13.7	15.3	16.4	7	29	172	9.7
1933	194	11.1	14.4	16.0	9	46	199	11.8
1934	229	13.1	14.8	16.5	11	48	210	12.0
1935	208	12.1	14.7	16.0	11	53	218	12.7
1936	207	12.2	14.8	15.4	11	53	181	10.7
1937	200	12.2	14.9	15.3	16	80	209	12.7
1938	202	12.6	15.1	15.4	11	54	189	11.8
1939	193	12.0	15.0	13.1	9	41	225	13.8
1940	203	12.2	14.6	17.2	16	79	244	14.6
Av for 10 yrs	209	12.3	14.9	15.8	11	55	203	12.0
1941	229	14.3	14.2	16.7	11	48	240	15.2

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I am indebted to the County Medical Officer of Health for the statistics in Tables 1 and 11 which shows Birth & Death & Infant Mortality Rates in England and Wales, Glamorgan and the Urban Districts of Glamorgan.

T A B L E 11.

DISTRICT	POPULATION	TOTAL No. of Births	Deaths under 1 year	Rate per 1000 Births
England & Wales	-	-	-	59
Administrative County of Glamorgan	-	12,334	851	67
<u>URBAN DISTRICTS:-</u>				
ABERDARE	-	664	41	61
BARRY	-	726	32	43
BRIDGEND	-	232	13	56
CAERPHILLY	-	711	60	83
COWBRIDGE	-	9	2	222
GELLIGAER	-	733	59	79
GLYNCORRWG	-	206	12	58
LILWCHWR	-	366	14	36
MAESTEG	-	435	36	79
MOUNTAIN ASH	-	581	41	65
NEATH BOROUGH	-	422	35	82
OGMORE & GAWR	-	465	37	77
PENARTH	-	229	11	48
PONTYPRIDD	-	708	54	74
PORTHCAWL	-	135	6	44
PORT TALBOT BOROUGH	-	672	36	53
RHONDDA	-	1949	167	80
TOTAL FOR URBAN DISTRICTS	-	9243	656	70

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CAUSES OF DEATH DURING 1941.

CAUSE OF DEATH	MALE	FEMALE
1. Typhoid & Paratyphoid Fevers	-	-
2. Cerebro Spinal Fever	1	-
3. Scarlet Fever	-	-
4. Whooping Cough	-	-
5. Diphtheria	-	-
6. Tuberculosis of Respiratory System	6	6
7. Other Tuberculosis Diseases	3	-
8. Syphilitic Diseases	-	1
9. Influenza	1	2
10. Measles	-	2
11. Ac: Polio-myelitis & Polio Encephalitis	-	1
12. Ac: Inf: Encephalitis	1	-
13. Cancer of B.Cav: & Oesoph (M) Uterus (F)	-	-
14. Cancer of stomach & Duodenum	4	1
15. Cancer of Breast	-	4
16. Cancer of all other sites	11	7
17. Diabetes	-	1
18. Intra-cranial Vasc Lesions.	13	18
19. Heart Disease	24	28
20. Other diseases of Circulatory System	6	8
21. Bronchitis	8	6
22. Pneumonia (All Forms)	3	3
23. Other Respiratory Diseases	2	1
24. Ulcer of Stomach or Duodenum	3	-
25. Diarrhoea under 2 years	-	-
26. Appendicitis	1	-
27. Other Digestive Diseases	1	1
28. Nephritis	5	5
29. Puerperal & Post Abort: Sepsis	-	-
30. Other Maternal Causes	-	-
31. Premature Birth	1	1
32. Congenital mal: Birth Injuries	2	-
33. Suicide	2	-
34. Road Traffic Accidents	1	-
35. Violent Causes	12	3
36. All other causes	16	14
ALL CAUSES	127	113

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LABORATORY FACILITIES:- The following Pathological and Bacteriological Examinations were made at the Cardiff and County Public Health Laboratory for the year.

Sputum (Tuberculosis)	4
Swabs (Diphtheria)	17
Water (Bacteriological Examination)...	3
Water (Chemical Examination)	3
Milk (Ordinary)	42
Milk (Designated)	51
Swabs (Haemolytic Streptococci) ...	1
Blood (Typhoid)	2
Water (Bacteriological Examination of Swimming Baths)	2
Water (Chemical Examination	2

A. HOSPITALS PROVIDED BY THE LOCAL AUTHORITY.

FEVER.- Situated at Llandough and consisting of
 An Administrative Block.
 An Observation Block, 8 Beds.
 Two Wards with accommodation for 16 patients.
 Large Army Hut fitted up with Bath and Sanitary
 conveniences.

1 Scarlet Fever and 2 Pneumonia cases were treated during the year. It is quite sufficient for all the requirements of the district.

SMALL POX. Arrangements have been made with the City of Cardiff Authorities for the removal and treatment of any cases of Small-Pox which may occur in the district.

B. There are no Hospital in the District for the treatment of Tuberculosis, Maternity, Children etc., but advantage is taken of the proximity of the City of Cardiff, which is well provided with large up to date Hospitals.

A large modern General Hospital situated at Llandough is within this District. It is provided by the Cardiff City Council for the treatment of acute surgical and medical cases, and contains 340 beds.

$$E_{\text{eff}} = \frac{1}{2} \left(\frac{1}{\epsilon_0} + \frac{1}{\epsilon_0} \right) = \frac{1}{\epsilon_0} = 1.0 \times 10^{-10} \text{ J/m}^3$$

A.L.C.

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AMBULANCE FACILITIES.

A Motor Ambulance Service is maintained by the Local Authority for the conveyance of Infectious Disease cases, non-Infectious cases and accident cases.

CLINICS AND TREAMNET CENTRES.

Maternity and Child Welfare Centres are established at the Catherine Jenkins Infant Welfare Institute ("Beecroft") Stanwell Road, the Methodist Chapel Cogan, and the Plassey Street Presbyterian Schoolroom.

Consultations take place twice weekly at "Beecroft" (Mondays and Thursdays from 3.0.p.m.) Plassey Street Presbyterian Schoolroom (Tuesdays from 3.0.p.m.), and at Cogan (Fridays from 3.0.p.m.

Ante-Natal Consultations are held on the second and last Wednesday in each month at "Beecroft" from 10.0.a.m.

A Birth Control and Gynaecological Clinic is held at "Beecroft", Stanwell Road, on the first and third Wednesdays in each month at 11.0.a.m. under the supervision of Dr. Sybil Morgan.

MIDWIVES.

There are three midwives practising in the district under the jurisdiction of the Glamorgan County Council.

DENTAL TREAMENT.

Under the arrangement made with the Glamorgan Education Authority for the service of a Lady Dental Surgeon to give dental treatment to expectant mothers and children under school age. The following work was done during the year at "Beecroft":-

	MOTHERS	CHILDREN	TOTAL
No. treated	10	1	11
No. of attendances ...	53	2	55
No. of extractions ...	7	-	7
No. of fillings	8	-	8
No. of scalings & dressings	4	-	4
No. of dentures	7	-	7

MATERNAL MORTALITY.

In all notified cases of Puerperal Fever a copy of the certificate is immediately forwarded to the County Medical Officer of Health who arranges for all investigations to be made.

CHILDRENS ACT 1908.

The duties required by the Act are carried out by your Health Visitors.

3. $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

SANITARY CIRCUMSTANCES OF THE AREA.

WATER SUPPLY:- The district is within the area of supply of the City of Cardiff, It is an upland surface water from the Brecknock Beacons, and the service is constant.

By arrangement with the County Council, samples are taken to the County Laboratory for Chemical and Bacteriological Examination.

Three routine samples were taken for chemical and bacteriological examination, one of which was from a spring in the district.

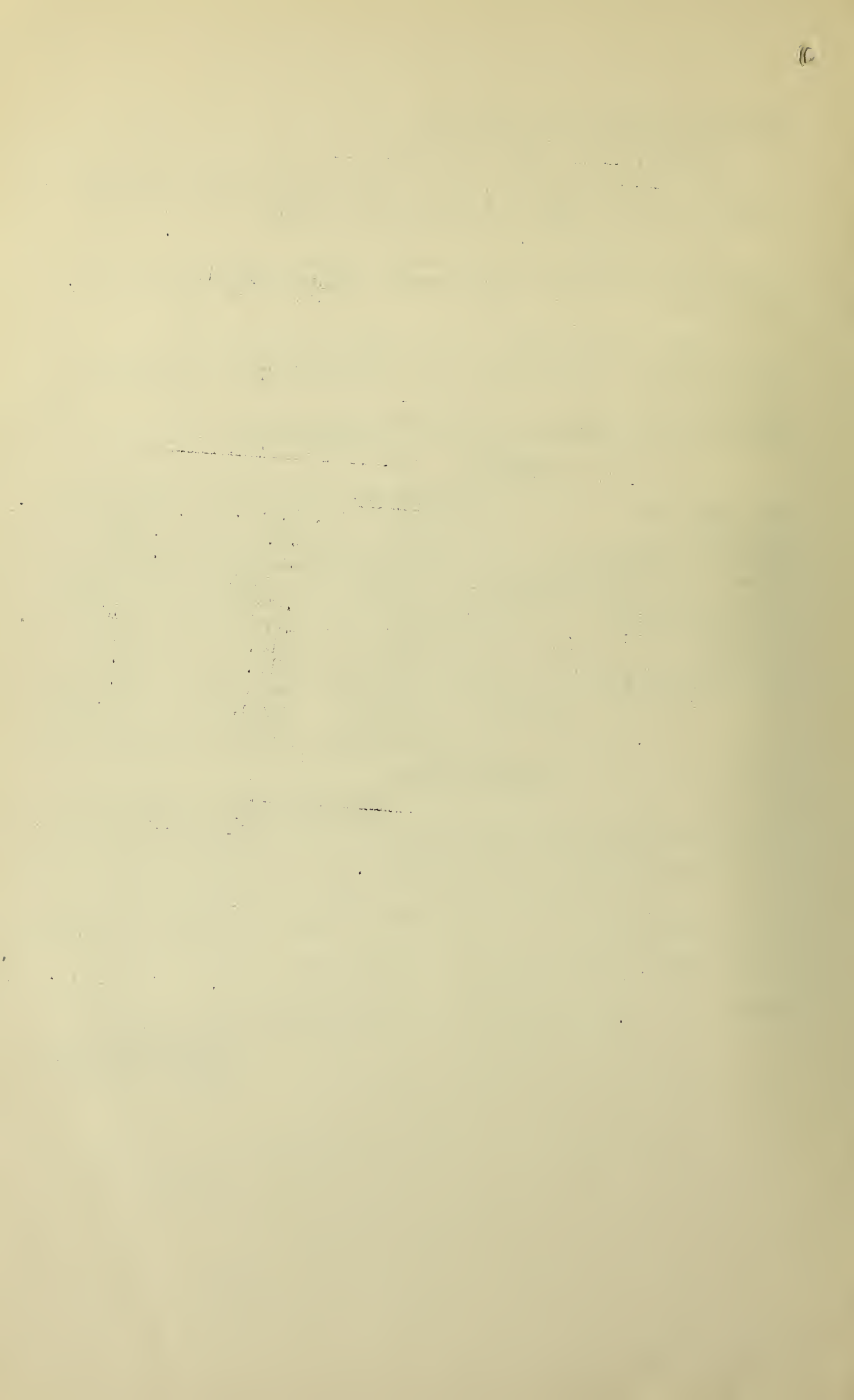
REPORTS ON THE EXAMINATION OF WATER SAMPLES 1941.

CHEMICAL

	28. 2. 41.	7. 5. 41.	9. 5. 41.
Total Hardness	2.6.	2.6	2.6
Chlorine	1.0	1.0	0.9
Nitrogen as nitrates	Prac.Nil	Prac.Nil.	Prac. Nil
Saline (or "Free") Ammonia	.0008	.0008	.0008
Organic (or "Albuminoid") Ammonia	.0016	.0016	.0018
Poisonous Metals.	Nil.	Nil.	Nil.
Nitrites	Nil.	Nil.	Nil.
Phosphates	Nil.	Nil.	Nil.
Microscopic Examination of the sediment.	Prac.Nil Animate Forms Rare.	Prac.Nil Animate Forms Rare.	Prac.Nil. Animate Forms Rare.

BACTERIOLOGICAL.

	28.2.41.	8.8.41	8.8.41.
Bacteria developing per m.l. at 20°C.	-	120	300
Bacteria developing per m.l. at 37°C.	17	10	35
B. Coli present in	-m.l.	2 & 10.m.l	10 & 40.m.l.
B. Coli absent from	50.m.l.	$\frac{1}{2}$.m.l.	2.m.l.
REMARKS.	Satisfactory.	Of doubtful bacterial purity.	Of moderate bacterial purity.



SCHOOLS.

Situated in the District are the following Schools:-

Penarth Intermediate
Victoria Council School
Albert Road Council School
Cogan Council School
Penarth R. C. (St. Josephs)
Penarth Church of England
Llandough Church of England.

The whole of the Schools are provided with a constant supply of pure water, good drainage, and sanitary fittings, urinals, etc., which are flushed with automatic flushing tanks.

ERADICATION OF BED BUGS.

Owing to the infestation of bed bugs, the Council has found it necessary to make provisions for the disinfection at the minimum charge of £1-1-0d. per house. The eradication of the bug is brought about with the aid of special preparations, after the removal of all infested woodwork.

1.	Number of Council Houses infested	Nil.
	Number of Council Houses disinfested	Nil.
2.	Number of other houses infested	10.
	Number of other houses disinfested	10.

INSPECTION AND SUPERVISION OF FOOD SUPPLIES. - MILK.

MILK SUPPLY. There are 29 retailers of milk registered in the district. They are frequently inspected, and all are required to provide proper dairy facilities for cleansing utensils, etc.

The following persons are engaged in the production sale or distribution of milk within the district:-

PRODUCERS.....	4
PRODUCER - RETAILERS.....	6
RETAILERS OF MILK & MILK SHOP KEEPERS.....	17
NON-RESIDENT RETAILERS.....	2

Close supervision is maintained by the Inspectors on dairies, cowsheds and on the persons engaged in the milk trade.

SALE OF MILK UNDER SPECIAL DESIGNATIONS.

1 Establishment is licensed for bottling and selling T.T. Milk.
1 Establishment is licensed to sell Pasteurised Milk.
1 Establishment is licensed to sell Accredited Milk.
94 samples were taken to the Cardiff and County Laboratory for Bacteriological Examination.

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1. The first group of people who are interested in the study of the history of the United States are the people who are interested in the history of the United States.

FARMS.

There are 10 farms situated in the district. Seven farm cow sheds are fitted with modern drinking bowls for each cow from a constant water supply.

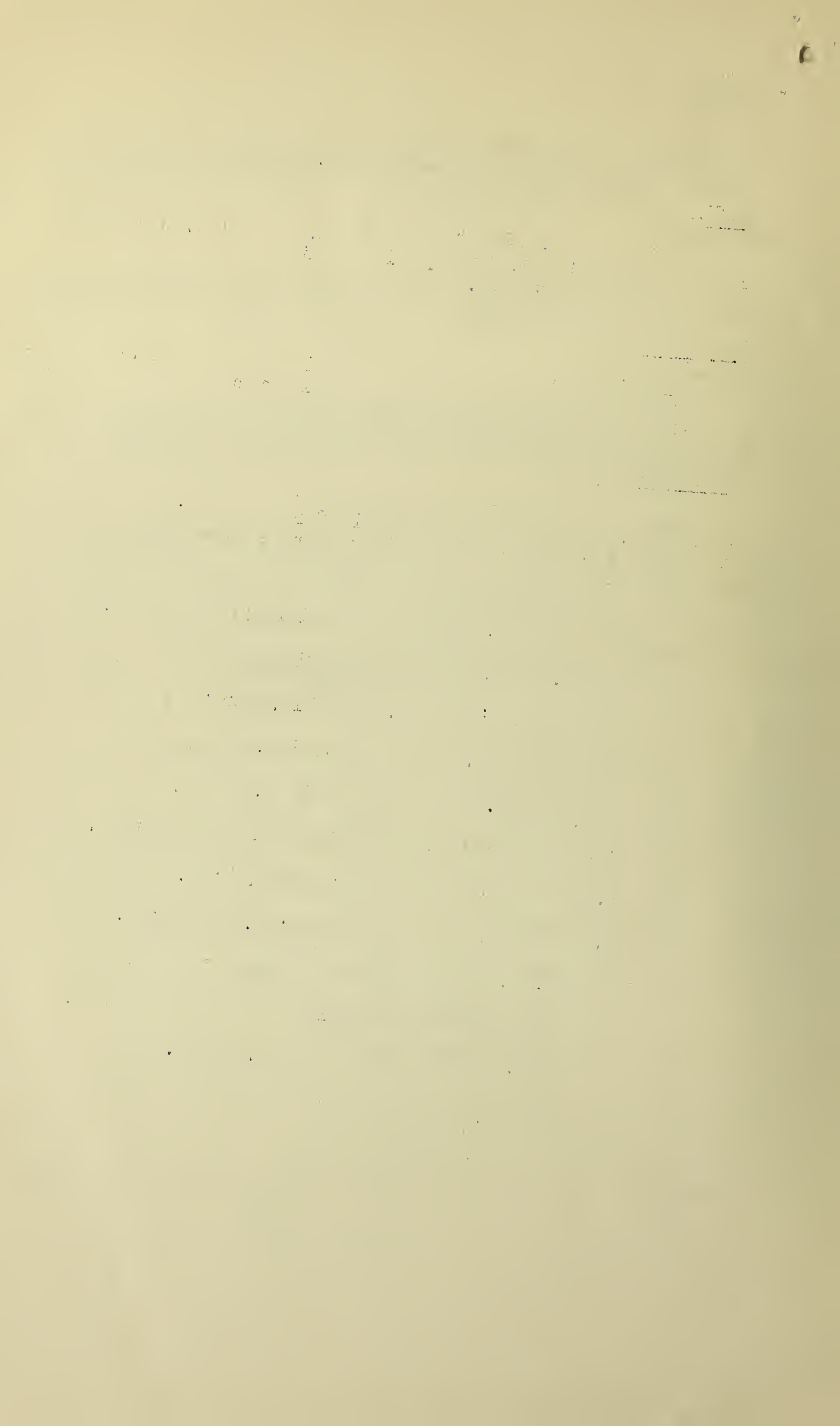
MEAT, ETC.

All the shops and vehicles to which meat regulations apply were frequently inspected, including 18 butchers' shops which are kept in good condition.

FOOD INSPECTION.

During the year the following articles of food were upon examination found to be unfit for human consumption and were voluntarily surrendered from shops in the town and destroyed:-

356 $\frac{1}{2}$	lb. Beef.	2	Tins. Pressed Beef.
49	lb. Lamb.	1	Tin. Ox Tongue.
130	lb. Pigs' Plucks.	1	Tin. Sausage.
59	lb. Bacon.	13	Tins. Milk.
18	lb. Ham.	3	Tins. Beans.
6	doz. Rabbits.	7	Tins. Beef Extract.
82	lb. Sausages.	2	Tins. Meat.
80	lb. Herrings.	4	Tins. Meat Roll.
135	lb. Apples.	1	Jar. Marmalade.
27 $\frac{3}{4}$	lb. Cheese.	1	Jar. Strawberry Jam.
6	lb. Sugar.	1	Jar. Syrup.
	12	lb. Luncheon Meat.	
	3	lb. Meat Roll.	



INFECTIOUS DISEASE GENERALLY.

During the year there were two cases of Scarlet Fever one of which was notified by Llandough Hospital. 7 cases of Diphtheria were notified, all of which were from Llandough Hospital.

VACCINATION.

The number of children vaccinated by the Medical Officer of Health as Public Vaccinator was 80 , and 1 revaccinations. There were 97 exemptions obtained by parents under the conscientious objection clauses.

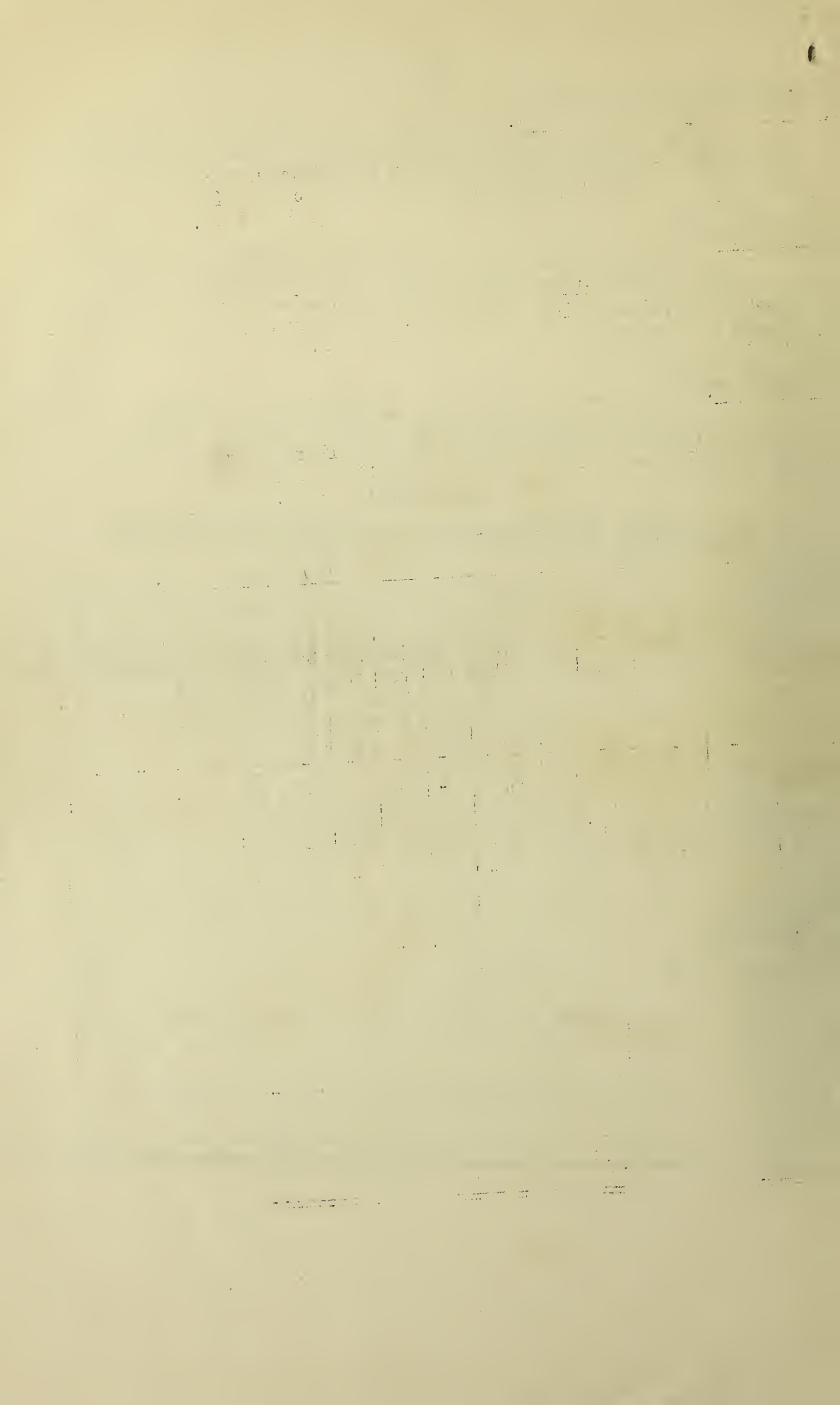
DISINFECTION.

3 patients were removed to hospital; 17 rooms were disinfected after infectious disease, and 22 bags of bedding and clothing were treated in the Steam Disinfector.

TABLE VII.

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING 1941.

DISEASES.	ALL Ages	Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 Over	Admitted to Hospital	Notified by Llandough	Treated at Home.
Small Pox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Whooping Cough	12	1	1	2	4	-	3	-	-	1	-	-	-	-	4	8
Diphtheria	7	1	1	1	-	1	1	-	1	1	-	-	-	-	7	-
Scarlet Fever	2	-	-	-	-	-	-	1	1	-	-	-	-	1	1	-
Enteric Fever (Incl. Paratyphoid)	5	-	-	-	-	1	1	1	-	1	1	-	-	-	5	-
Puerperal Pyrexia	13	-	-	-	-	-	-	-	-	12	1	-	-	1	12	-
Pneumonia	123	14	16	6	8	3	10	8	4	20	14	14	6	2	94	27
Erysipelas	1	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-
Measles	317	13	59	47	32	46	101	17	2	-	-	-	-	-	5	312
TOTALS.	480	29	77	56	45	51	116	27	8	35	16	14	6	4	129	347



T A B L E V I I I
T U B E R C U L O S I S

NEW CASES					DEATHS.			
Age Periods.	Pulmonary		Non-Pulmonary.		Pulmonary		Non-Pulmonary	
	M	F	M	F	M	F	M	F
0-- 1	-	-	-	-	-	-	-	-
1 - 5	-	-	1	-	-	-	-	-
5 - 10	-	-	1	-	-	-	1	-
10 - 15	-	-	1	2	-	-	1	-
15 - 20	-	1	-	1	-	-	-	-
20 - 25	-	1	1	-	1	1	-	-
25 - 35	1	1	-	-	-	1	-	-
35 - 45	2	-	-	1	1	-	-	-
45 - 55	-	-	-	1	1	-	-	-
55 - 65	-	-	-	-	1	-	-	-
65 and Upwards	-	-	-	-	-	-	-	-
TOTALS.	3	3	4	5	4	2	2	-
	6		9		6		2	

The Tuberculosis Physician, Dr. Gilchrist, has kindly compiled the following Table in connection with the treatment of Tuberculosis during the year 1941:-

Number of New Cases seen	...	...	...	...	...	120
Number found to be suffering from Pulmonary Tuberculosis						9
Number found to be suffering from Non-Pulm. Tuberculosis						6
Number with no evidence of Tubercle	...	...	...	...	...	94
Number under observation	...	...	...	...	...	11

ADMISSIONS TO TREATMENT.

	PULMONARY.							NON-PULMONARY.						
	1-5 Years		5-15 Years		15 & Over		All Ages	1-5 Years		5-15 Years		15 & Over		All Ages.
	M	F	M	F	M	F		M	F	M	F	M	F	
Institutional	-	-	-	-	2	7	9	1	-	1	2	-	3	7
Domicilliary	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dispensary	-	-	-	-	-	1	1	-	-	-	1	-	1	2
TOTALS.	-	-	-	-	2	8	10	1	-	1	3	-	4	9

PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS 1925.

No person suffering from tuberculosis was found to be engaged in the production of milk.

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